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Mechanical and Electrical Assembly of the Fan Chassis
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5/23 Note: this sheet has been edited using bold and italicized script.

The 6 instructions below refer to the square boxed numbers on Dwg. xxxx-ME-000001

Note: "Item numbers" referred to below are from the sheet titled "Parts List for MINO Fan, Plenum & Filter Units"

The installation of the AC power, items 7 and 34, the fans, item 4, the AC wire harness for fans, item 10, and the makeup of the tachometer harness, items 17, 16, and parts from item 6, will probably be assembled first. See step 6 below for assembling the tachometer wiring.

1. ☐ Solder a jumper wire on the bottom side of the TackScan card, item 5, from the center pin of J8 (pin A) to the pin A of J9.
2. ☐ Install the 5 standoffs, item 11, into item 5 and attach to the fan chassis using screws, item 15. Note that the center standoff is not screwed to the chassis.
3. ☐ This item is already assembled, consisting of items 30, 29, 11, parts of 6, 18, & 17. Attach it to the chassis using sheet metal screws, item 15. The wires from this unit must be terminated in the 2 terminal connector furnished by the H112 TackScan hardware kit. Make sure the red wire goes to the + pin of the J12 OR terminals and the black wire goes to the pin next to it.
4. ☐ Item 28, the DC power supply (see drawing xxxx-ME-000001 as to where this unit is mounted) is mounted on a circuit card. Connect the pins labeled AC to the terminal strip, item 31 using at least #20 AWG wire rated for 120 vac. Connect the DC side of the power supply to J10 of the TackScan card using cable, item 14. Make sure the +/- sides of the power supply goes to the +/- sides of J10. Secure the power supply unit to the chassis using screws, item 15.
5. ☐ When building the wire harness for the fan tachometers to the TackScan J1 through J8 using wires item 17. Match the wire colors with the fan wires and carefully crimp the butt splices, item 16, making sure the wires are stripped so that they are fully inserted into the butt splice and so that no bare wire is exposed. When terminating these wires at the TackScan board place the red wire in the + spot, the white wire in the A spot and the black wire in the - spot.
6. ☐ Using items 19 and 20 (6 each), secure these cables to the chassis as so shown in the drawing xxxx-ME-000001.
7. Install item 36, the TacScan power plug and connect and solder the cable item 14 making sure the center connection goes to the negative side of the TacScan and the + wire goes to the connection that is "live" when the power supply jack is inserted.